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MUNICH, GERMANY

August 7, 2002

Box IDS  
Assistant Commissioner for Patents  
Washington, DC 20231

RE: U.S. Patent Application of Michael L. Myrick, et al.  
Entitled: "Filter Design Algorithm for Multi-Variate Optical Computing"  
Serial No.: 09/964,194  
Our Ref: 16139/09014

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Dear Sir:

The following are being transmitted herewith:

1. Transmittal sheet (original plus 1 copy (2 sheets))
2. Information Disclosure Statement (1 sheet)
3. PTO-1449 (2 sheets)
4. Copies of cited references (41 references)
5. Return Postcard

Please charge any deficiency or credit any overpayment required by this action to our deposit account no. 50-1196, for which purpose an extra copy of this transmittal letter is attached.

Very truly yours,

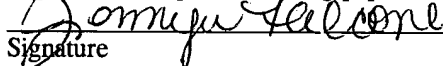
  
Lloyd G. Farr  
Reg. No. 38,446

I hereby certify that this paper and any referenced attachment and/or fee are being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Box IDS, Assistant Commissioner for Patents, Washington, DC 20231.

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PATENT

DOCKET NO.: 16139/09014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of  
Michael L. Myrick, et al.

Serial No.: 09/964,194

Filed: September 26, 2001

Title: Filter Design Algorithm for  
Multi-Variate Optical Computing

Examiner: Unknown

Art Unit: 2877

Account No.: 50-1196

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INFORMATION DISCLOSURE STATEMENT

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In accordance with Applicant's duty of disclosure, Applicant hereby submits the  
attached Information Disclosure Statement.

Respectfully submitted,

NELSON MULLINS RILEY  
& SCARBOROUGH, L.L.P.

Lloyd G. Farr  
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<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number Optional 16139/09014	Application Number 09/961,194
	Applicant Michael L. Myrick, et al.	
	Filing Date September 26, 2001	Group Art Unit

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
	4 0 8 4 8 8 0	04/18/1978	Clow	350	3.72	
	4 1 1 8 1 0 6	10/03/1978	Leith	350	96.25	
	4 6 8 7 3 3 5	08/18/1987	Zupanick, et al.	356	416	
	4 8 2 1 3 3 8	04/11/1989	Naruse, et al.	455	617	
	4 9 3 4 7 8 2	06/19/1990	Soffer, et al.	350	162.12	
	5 0 0 5 9 4 6	04/09/1991	Brandstetter	350	162.12	
	5 0 2 9 2 4 5	07/02/1991	Keranen, et al.	250	205	
	5 0 9 0 8 0 7	02/25/1992	Tai	356	310	
	5 1 9 4 9 2 1	03/16/1993	Tambo, et al.	356	432	
	5 2 8 9 2 8 9	02/22/1994	Nagasaki	358	432	
	5 3 2 1 5 3 9	06/14/1994	Hirabayashi, et al.	359	94	
	5 4 1 2 4 6 5	05/02/1995	Baylor, et al.	356	301	
	5 4 2 4 5 4 5	06/13/1995	Block, et al.	250	343	
	5 4 5 9 6 7 7	10/17/1995	Kowalski, et al.	364	571.02	
	5 4 7 9 1 6 4	12/26/1995	Yorks, et al.	341	50	
	5 5 1 3 0 2 2	04/30/1996	Son, et al.	359	16	
	5 5 5 5 1 2 8	09/10/1996	Khoury, et al.	359	559	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	0 6 0 0 3 3 4 A2	06/08/94	Europe				X
	0 4 0 0 1 5 5 8	07/01/1992	Japan				X
	1 1 5 0 6 2 0 6	02/06/1999	Japan				X
	1 1 5 0 6 2 0 7	02/06/1999	Japan				X
WO	9 6 3 0 7 4 6	10/03/1996	PCT			X	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Form PTO-1449

Docket Number Optional  
16139/09014Application Number  
09/964,194INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant

Michael L. Myrick, et al.

Filing Date  
September 26, 2001Group Art Unit  
2877

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	7	1	7	6	0	5	02/10/1998	Komiya, et al.	364	526	
	5	7	3	7	0	7	6	04/07/1998	Glaus, et al.	356	310	
	5	7	4	7	8	0	6	05/05/1998	Khalil, et al.	250	339.12	
	5	7	5	0	9	9	4	05/12/1998	Schlager	250	339.11	
	5	7	7	1	0	9	6	06/23/1998	Andersen	356	346	
	5	8	2	8	4	9	2	10/27/1998	Moser, et al.	359	575	
	5	9	4	5	6	7	6	08/31/1999	Khalil, et al.	250	339.12	
	6	0	4	0	5	7	8	03/21/2000	Malin, et al.	250	339.12	
	6	1	9	8	5	3	1	03/06/2001	Myrick, et al.	356	300	
	6	2	3	6	0	4	7	05/22/2001	Malin, et al.	250	339.12	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation	
												YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Photographs of Buhler System
	J.A. Dobrowolski and R.A. Kemp, "Refinement of Optical Multilayer Systems With Different Optimization Procedures," Applied Optics, Vol. 29; No. 19, July 1990, pp. 2876-93
	Brian T. Sullivan and J.A. Dobrowolski, "Implementation of Numerical Needle Method for Thin-Film Design," Applied Optics, Vol. 35; No. 28, October 1996, pp. 5484-92
	A.G. Ryabenko and G.G. Kasparov, "An Algorithm for Constructing the Basis of Optimal Linear Combinations. Spectral Determination of Aerosol Impurities against the Background of a Water Aerosol with an Arbitrary Particle Size Distribution," Pattern Recognition and Image Analysis, Vol. 3; No. 1, March 1993, pp. 348-54
	A.G. Ryabenko and G.G. Kasparov, "Numerical Study of a Pattern Recognition Multispectral System with Optimal Spectral Splitting," Pattern Recognition and Image Analysis, Vol. 1; No. 3, 1991, pp. 57-68
	Vasil'ev, et al, "Rotational and Vibrational Deactivation of Excited HF Molecules," Sov. Physics - JETP, Vol. 41; No. 4, 1976, pp. 617-21
	Moravskii, et al., "Spectrophotometric Determination of the Yield of the C <sub>60</sub> and C <sub>70</sub> Fullerenes in Electric Arc Synthesis under Helium," Journal of Analytical Chemistry, Vol. 53; No. 12, 1998, pp. 1135-42
	International Search Report, January 19, 1999
	International Search Report, January 21, 2000

EXAMINER

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